



DATA SHEET

Uncoated Metallized polyester film capacitor Stacked Type

Serie: I19003

Code / Range **183= 0,018 μ f**

Code / Volt **251= 250VDC**

Width **6,5 mm**

Height **4,3 mm**

Thickness **2,5 mm**

Pitch **5,0 mm**

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film capacitor Stacked Type**

Serie No.: **I19003**

DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	11.06.2011	Customer:
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Features

Metallized Polyester film, stacked-construction, Uncoated Type
High impulse and pulse strength

Applications

DC impulse and pulse circuits
SMPS, converter, Electronic ballast, compact fluorescent lamps

Specifications

Reference Standard	GB/T 7332 (IEC 60384-2)							
Climatic Category	55/125/56							
Rated Temperature	(+85°C for V_R (dc)) (+75°C for V_R (ac))							
	-55°C ~ +125°C							
Operating Temperature Range	(+85°C to +125°C ; decreasing factor 1,25% per °C for V_R (dc))							
Rated Voltage	63, 100, 250, 400, 630, 1000Volt							
Capacitance Range	0,0010 ~ 10 μ F							
Voltage Proof (Between Terminals)	1.40 U_R (2s)							
Capacitance Tolerance	J=5% , K=10%, M=20%							
Dissipation Factor	$\leq 0,0100$ (1KHz)							
	$\leq 0,0150$ (10KHz, $C_R \leq 1,0\mu$ F)							
	$\leq 0,0300$ (100KHz, $C_R \leq 0,1\mu$ F)							
Insulation Resistance	$U_R > 100V$	$\geq 3750M\Omega$, $C_R \leq 0,33\mu$ F					(20°C, 100V, 1min)	
		$\geq 1250s$, $C_R > 0,33\mu$ F						
	$U_R \leq 100V$	$\geq 7500M\Omega$, $C_R \leq 0,33\mu$ F					(20°C, 10V, 1min)	
		$\geq 2500s$, $C_R > 0,33\mu$ F						
Maximum Pulse Rise Time $dV/dt(V/\mu s)$	$U_R(Vdc)$	63V	100V	250V	400V	630V	1000V	
	P/mm							
	5,0	120	150	250	300	400	600	
	7,5	120	150	200	275	320	400	
	10,0		75	150	175	-	-	
15,0		50	100	125	150	-		

Dimensions



Case Dimension table

Case Code	W $\pm 0,4$ (mm)	H $\pm 0,4$ (mm)	T $\pm 0,4$ (mm)	P (mm)
A	6,5	4,3	2,5	5,0

C $\pm 0,5$ (mm)

Standard Length 18~22mm (Size by Size)

Short Lead 4,5mm

d $\pm 0,05$ (mm)

d = 0,5mm

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Ordering Informations

Serie	Range	Tolerance	Voltage	Case Code	Pitch Code	Lead Style	Lead Length (C)	ROHS	Packing Code	
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I19003	183	M	251	A	2	N	LL	R	BU	
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183= 0,018µf	M= 20% Standard K= 10% J= 5%	251= 250VDC	A= look Case Dimension	2= 5,0mm	N= No function	LL= Long Lead (Standard) 45= Lead Length 4,5mm	R= ROHS Conform N= NON ROHS Conform	BU= Bulk Ware TB= Tape Box IV= Individual Package
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Soldering Profile Curve

Classification Reflow Profile (JEDEC J-STD-020C)



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